

Nuclear Energy Protocol for Research Isotopes (NERPI)

DOE/NCI Joint Workshop



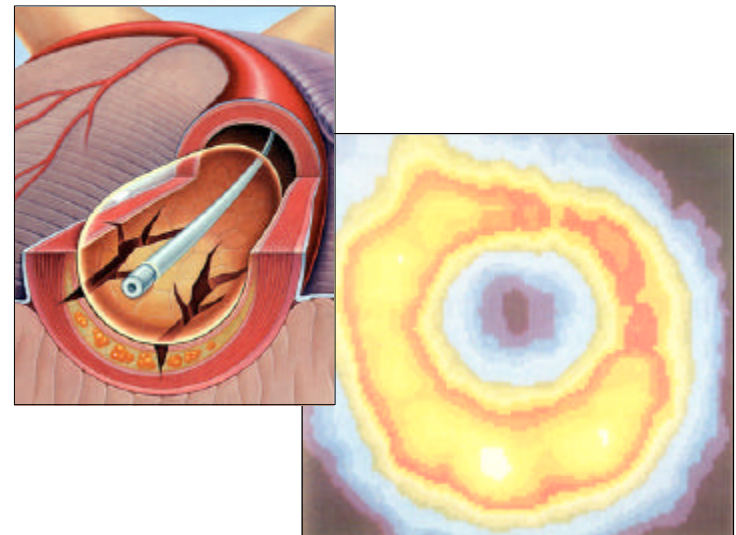
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Nuclear Energy Protocol for Research Isotopes (NEPRI)

- **NEPRI is DOE's new policy starting in FY2003 that will guide the selection of research isotopes for production and distribution**
- **DOE is committed to maintain the infrastructure required to support the national need for a reliable supply of isotopes, products, and services**
- **Process assures that DOE produces isotopes that return the most benefit to research community and public**



Nuclear Energy Protocol for Research Isotopes (NEPRI)

- **Buyers of research isotope must file a completed Isotope Pre-Order Form if they want DOE to produce their isotope in following fiscal year**
- **Pre-order Form is peer-reviewed and ranked based on merits of research**
- **Assures DOE production facilities support the highest quality research**





NEPRI Isotopes for FY 2003

- **NEPRI research isotope selection process complete for FY 2003**
- **All may submit purchase orders (deadline Sept. 15), but those who filed Pre-order Forms given priority**
- **Tungsten-188 in most demand, followed by actinium-225, then silicon-32, and arsenic-73**
- **These 4 isotopes comprise ~70% of isotope requests**

NEPRI list of Research Isotopes for FY 2003

- Actinium-225
- Arsenic -73
- Copper-67
- Holmium-166
- Iron-52*
- Silicon-32
- Tin-117m
- Tungsten-188/
Rhenium-188



**Not in current production*

NEPRI list of Commercial Isotopes for FY 2003

- Cadmium-109
- Californium-252
- Cobalt-60
- Germanium-68
- Iridium-192
- Iron-55
- Nickel-63
- Selenium-75
- Sodium-22
- Strontium-82
- Yttrium-88



Isotopes Currently Sold From Inventory

Radioisotopes

- Aluminum-26
- Americium-241, 243
- Bismuth-207
- Curium-244, 248
- Plutonium-238, -242
- Polonium-209
- Thorium-229, -230
- Titanium-44
- Uranium-234, 235, 238

Stable Isotopes

- Stable isotopes, such as lithium-6, -7, will continue to be sold from inventory





What About Research Isotopes for FY 2004?

- **You must file a completed Isotope Pre-order Form early in 2003**
- **Preference given to research isotope customers who file**
- **If you have received the Pre-order Form in the mail, you are on our mailing list**
- **If not, contact the Isotope Business Office**
- **Failure to file, may result in your isotope not being made by DOE**



How to Contact Us

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